



High performance, low total cost of ownership

Pulse Start Metal Halide Standard

Philips Pulse Start Metal Halide Lamps offer an optimized metal halide system for greater efficiency and lumen maintenance.

Benefits

- Flexible lighting solution - available in various bases and wattages.
- Long Life when compared to switch start metal halide (for 175W and 250W versions).

Features

- Up to 25% increase in maintained light output over standard metal halide.
- Increased efficacy (up to 120 lpw) equals low total cost of ownership.
- Up to 50% faster warm-up and restrike time.
- Up to 50% increase in life when compared to switch start metal halide (for 175W and 250W versions).
- ED-37 base available in 350 and 400 watts base up and horizontal operations as well as COATED / BT-37 available in 750 and 1000 watt base up operation and 750 watt horizontal operation / ED-28 available in 175, 200, 250, 320, and 400 watts base up or horizontal operations. 175 and 320 watts of the ED-28 base are also available in COATED.

Application

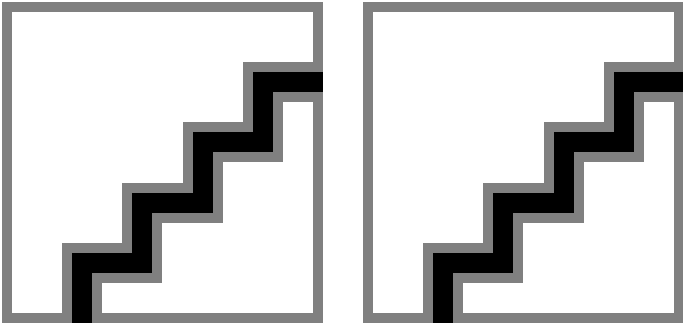
- Ideal for industrial and retail high/low bays and parking lots.

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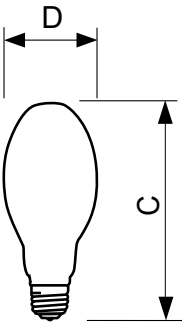
Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

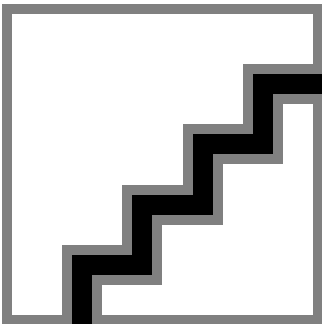
Versions



Dimensional drawing



Product	D	C (max)
Pulse Start MH Std 400W/640 CW Mog ED28 1SL	3.5 in	8.3 in



Product	D	C (max)
MS400/U/PS 6PK	4.625 in	11.5 in

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Operating and Electrical	
Voltage (Max)	150 V
Voltage (Min)	120 V
Voltage (Nom)	135 V
General Information	
Cap-Base	E39
Life To 50% Failures (Nom)	20000 h
Main Application	General Lighting (G)
System Description	Pulse Start
Light Technical	
Chromaticity Coordinate X (Nom)	385
Chromaticity Coordinate Y (Nom)	390
Colour Code	640
Colour Designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Hard Glass

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
		-	50 mg
		42.0 mg	-

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Re-Ignition Time (Min) (Max)
		3.2 A	6 min

Order Code	Full Product Name	Lamp Current (Nom)	Re-Ignition Time (Min) (Max)
		3.25 A	10 min

General Information

Order Code	Full Product Name	Operating Position
		H15

Order Code	Full Product Name	Operating Position
		UNIVERSAL

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
		450 °C

Order Code	Full Product Name	Bulb Temperature (Max)
		400 °C

Light Technical (1/2)

Order Code	Full Product Name	Colour Rendering Index (Nom)	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens
		68	105 lm/W	110 lm/W	-

Order Code	Full Product Name	Colour Rendering Index (Nom)	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens
		65	-	90 lm/W	30000 lm

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
		42000 lm	44000 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
		-	40000 lm

Mechanical and Housing

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Order Code	Full Product Name	Bulb Shape
		ED-28

Order Code	Full Product Name	Bulb Shape
		ED-37

